Ministry of
Northern Development
and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

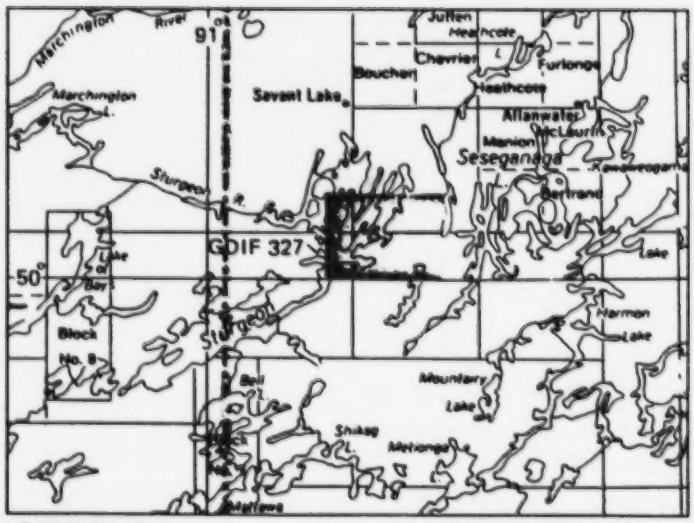
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 327

SQUAW LAKE AREA

DISTRICT OF
THUNDER BAY

Compiled by the Staff of
the Resident Geologist's Office
Sioux Lookout



LOCATION MAP Scale 1:1 013 760 or 1 inch to 16 miles

87-00339/

NTS Number 52 J/2 SE

Mining Claim Map Number M-1904

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1986: Squaw Lake Area, District of Thunder Bay;
Ontario Geological Survey, Geological Data Inventory Folio 327, compiled by the staff of the Resident Geologist's Office, Sioux Lookout, 28 pages and 4 maps.

Original Compilation by: M. Sawtelle, R. Huggins, D. Janes, C. Proctor, A. Gasparetto

Date	Page Revised	Revised by

Date	Page Revised	Revised by

SQUAW LAKE

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ACCOMPANYING MAPS

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Map Scale 1 inch to ½ mile or 1: 31 680

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	M.O.P.S.
2	Assessment Files Research Office, Toronto		
3	ODM General Index; 9 Volumes	Yes	M.O.P.S.
4	Catalogue of Airborne Geophysical Surveys (ODM)	Yes	M.O.P.S.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	No	M.O.P.S.
6	ODM Industrial Mineral Reports	No	M.O.P.S.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	No	M.O.P.S.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	No	M.O.P.S.
9	Newspaper Clippings File	Yes	M.O.P.S.
10	GSC Index to Publications	Yes	M.O.P.S.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	M.O.P.S.
12	OGS Index Maps	Yes	M.O.P.S.
13	Source Mineral Deposit Records (O.G.S.)	No	M.O.P.S.
14	Author - Subject Articles File	Yes	M.O.P.S.
15	Miscellaneous Papers: ODM & OGS	Yes	M.O.P.S.
16	ODM Geological Circulars: OGS Study Series	No	M.O.P.S.
17	ODM Preliminary Reports: ODM Bulletins	Yes	M.O.P.S.
18	ODM – OGS Open File Reports	Yes	M.O.P.S.
19	OGS Northern Ontario Engineering Geology Terrain Studies	No	M.O.P.S.
20	OGS Aggregate Resources Inventory Papers	No	M.O.P.S.
21	OGS Mineral Potential Maps	Yes	M.O.P.S.
22	Aerial photographs filed in Sioux Lookout and Kenora	No	M.O.P.S.
23	Unpublished Theses	No	C.P.

METALS AND MINERALS REFERENCES LIST

- △ anh. . . . . .Anhydrite
- △ ank. . . . . .Ankerite
- △ anna . . . . . Annabergite
- ▲ ap. . . . . .Apatite
- △ arg . . . . . Argentite
- △ As . . . . . .Arsenic
- △ asp . . . . . .Arsenopyrite
- △ asb . . . . . .Asbestos
- △ ba. . . . . .Barite
- △ be. . . . . .Beryl
- △ Bi. . . . . .Bismuth
- △ bn . . . . . .Bornite
- △ bran . . . . . .Brannerite
- △ bruc . . . . . .Brucite
- △ Cd . . . . . Cadmium
- △ calc. . . . . .Calcite
- △ carb . . . . . .Carbonate
- △ cel . . . . . .Celestite
- △ cc. . . . . .Chalcocite
- △ cp. . . . . .Chalcopyrite
- △ ch. . . . . .Chert
- △ clay . . . . . .Clay
- ▲ Co . . . . . Cobalt
- △ cob. . . . . Cobaltite
- △ cb. . . . . .Columbite
- ▲ Cu . . . . . .Copper
- △ cor . . . . . Corundum
- △ dol . . . . . Dolomite
- △ ep. . . . . Epidote
- △ ery . . . . . Erythrite
- △ fel . . . . . .Feldspar
- △ fl . . . . . .Fluorite (flurospar)
- △ fu. . . . . .Fuchsite
- △ gn. . . . . .Galena
- △ gt. . . . . .Garnet
- △ goe . . . . . .Goethite
- ▲ Au . . . . . Gold
- △ gf. . . . . .Graphite
- △ gl . . . . . Gravel
- △ gyp. . . . . .Gypsum
- △ hem . . . . . Hematite
- △ il . . . . . .Ilmenite
- △ Fe . . . . . .Iron
- △ IF. . . . . Iron Formation
- △ jas . . . . . Jasper
- △ kaol . . . . . .Kaolinite (kaolin)
- △ ky . . . . . Kyanite
- ▲ Pb . . . . . Lead
- △ lim . . . . . Limonite
- △ Li. . . . . Lithium
- △ mgst . . . . . .Magnesite
- △ mag . . . . . .Magnetite
- △ mc . . . . . Malachite
- △ Mn . . . . . Manganese
- △ mb . . . . . .Marble
- △ mar. . . . . Marcasite
- △ ma . . . . . .Marl
- △ mi . . . . . Mica
- △ mi . . . . . .Millerite
- △ mo . . . . . Molybdenite
- △ Mo . . . . . .Molybdenum
- △ mon . . . . . Monazite
- ▲ ne. . . . . Nephelite (nepheline)
- △ nc. . . . . .Niccolite
- △ Ni. . . . . Nickel
- △ Nb . . . . . .Niobium
- △ Pd . . . . . .Palladium
- △ peat . . . . . .Peat
- △ pent . . . . . .Pentlandite
- △ Pt. . . . . .Platinum
- ▲ py . . . . . .Pyrite
- △ pyl . . . . . Pyrochlore
- △ pyrl . . . . . .Pyrolusite
- △ po . . . . . .Pyrrhotite
- △ q . . . . . Quartz
- △ qcv . . . . . .Quartz carbonate vein
- △ ra. . . . . .Radioactive minerals
- △ RE . . . . . .Rare Earths
- △ sd. . . . . Sand
- △ sgl . . . . . Sand and gravel
- △ ss . . . . . .Sandstone
- △ scap . . . . . Scapolite
- △ shee . . . . . .Scheelite
- △ serp . . . . . Serpentine
- △ sh. . . . . Shale
- △ sid . . . . . Siderite
- △ si . . . . . Silica
- ▲ Ag . . . . . .Silver
- △ sl . . . . . Slate
- △ sm . . . . . .Smaltite
- △ sod . . . . . Sodalite
- △ spec . . . . . Specularite
- △ sp. . . . . .Sphalerite
- △ spd . . . . . .Spodumene
- △ staur . . . . . .Staurolite
- △ stib. . . . . Stibnite
- △ st . . . . . .Stone
- △ talc. . . . . .Talc
- △ Te . . . . . .Tellurium
- △ td. . . . . Tetrahedrite
- △ th. . . . . .Thorite
- ▲ Th . . . . . .Thorium
- △ thuc . . . . . Thucholite
- △ ti . . . . . Titanite
- △ Ti. . . . . Titanium
- △ tour . . . . . .Tourmaline
- △ trap . . . . . .Trap rock
- △ W. . . . . Tungsten
- △ uran . . . . . Uraninite
- ▲ U . . . . . .Uranium
- △ verm . . . . . .Vermiculite
- △ Y . . . . . Yttrium
- ▲ Zn . . . . . .Zinc
- △ zr . . . . . Zircon

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Belmore Bay Occurance	Au, Cu, Pb,Zn	TB0124	MRC 13 P301, OGS	- REG PROP. REPT. 1979, Belmore Bay - OGS 1911, AR VOL 12 PTI P151 - NMI File 52 V/02 - OGS 1911, AR VOL 20 PT 1, P15
B	Bennett - Pacaud	Au		O.D.M. VOL XXXIX PT 2	- P Map 1045
C	St. Anthony	Au, Ag, Cu, Pb, Zn	01786	MR 13 P294-295, OGS	- OGS 1942, AR VOL 51 PT1. P188 - 191 - OGS 1983, Report 227, P75, 82 - 86 - OGS 1983, MP 107, P43 - NMI File 52U/02 AUI - OGS P Map, P 1045
D	Coveney	Au			- P Map 1045
E	Davidson Jarvis	Au			- P Map 1045
F	O'Flaherty, Kevin F. (A.L. 499 or Barnard Deposit)	Au			- P Map 1045
G	Squaw Lake Area Float No. 1	ne, ap, py		M.D.C. #17	
H	Squaw Lake Area Float No. 2	ne, ap, py		M.D.C. #17	
I	Squaw Lake Occurance	U, Th		M.D.C. #25	
J	New Santiago Occurance	U, Th		M.D.C. #25	- G.R. #24, pg 44

GDIF FORM NO. 1

SQUAW LAKE 4

TYPE OF WORK		Numbers below represent the year in which the work was done; eg. 68 for 1968																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
A	Anderson, L. (52J/02SE-0010-A1)				55															
B	Selco Exploration C. L. (52J/02SE-0010-B1)				70															
C	Selco Exploration C. L. (52J/02SE-0010-C1)				70															
D	Selco Exploration C. L. (52J/02SE-0010-D1)				69															
E	Selco Exploration C. L. (52J/02SE-0011-A1)				70															
F	Selco Exploration C. L. South Bay Mines L. (52J/02SE-0011-B1)				70	70														
G	Selco Exploration C. L. (52J/02SE-0012-A1)				70															
H	Selco Exploration C. L. (52J/02SE-0012-B1)				71															
I	Selco Exploration C. L. (52J/02SE-0012-C1)				70															

GDIF FORM NO. 2

SQUAW LAKE

TYPE OF WORK	Numbers below represent the year in which the work was done; eg. 68 for 1968																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																			
J Royex Mining L. (52J/02SE-0013-A1)				72															
K Royex Mining Data - Sturgex M. L. (52J/02SE-0013-C1)				72	72														
L Tay River Mines L. Heino D. A. (52J/02SE-0014-A1)				71	71														
M Nixon, J. R. (52J/02SE-0014-B1)				78															
N Nixon, J. R. (52J/02SE-0015-A1)				79															
O Canex Aerial Expl. L. (52J/02SE-0015-A1)				70															
P Higgins, W. H. - Avalon Syndicate (52J/02SE-0015-C1)				76															
Q Selco Exploration C. L. (52J/02SE-0016-A1)				71															

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; eg. 68 for 1968																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
R	Canex Aerial Expl. L. (52J/02SE-0016-B1)				70															
S	Tay River Mines L. (52J/02SE-0017-A1)				71	71														
T	Higgins, W. H. (52J/02SE-0017-C1)				79															
U	Western Quebec M. L. (52J/02SE-0018)				71															
V	Amax Exploration Inc. (52J/02SE-0019-A1)	70										70								
W	McCrindle, W. (52J/02SE-0019-B1)	82																		
X	Tay River Mines L. Heino, D. A. (52J/02SE-0020-A1)												71							
Y	Amax Exploration Inc. (52J/02SE-0020-B1)	71																		
Z	Western Quebec Mines C. (52J/02SE-0021)		71			71														

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; eg. 68 for 1968																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	MICROSCOPY		
AA	Kerr Addison Mines L. (52J/02SE-0022)											72	72							
AB	Sherritt Gordon Mines L. (52J/02SE-0023)	82		82		82														
AC	Umex Inc. (52J/02SE-0024)												82							
AD	Pollack, J. A. (52J/02SE-0025)											83	83							
AE	Selco Exploration C. L. (52J/02SE-0026)												70							
AF	Higgins, W. H. (52J/02SE-0027)	75				75														
AG	Ciglen, S. Sturgeon Lakes Assocs. (52J/02SE-0028)											83	83							
AH	Sherritt, Gordon Mines L. Johnson, S. C. (52J/02SE-0029)	81										81	81							
AI	Umex Inc. (52J/02SE-0030)		82															82		

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; eg. 68 for 1968																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBOHNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
AJ	Selco Expl. C. L. (52J/02SE-0031)												70							
AK	Selco Expl. C. L. (52J/02SE-0032)											70								
AL	Phelps Dodge Corp. (52J/02SE-0033)											73	73							
AM	Royex Mining L. (52J/02SE-0034)	72										72	72							
AN	Selco Exploration C. L. (52J/02SE-0035-A1)											70								
AO	Amax Exploration Inc. (52J/02SE-0035-B1)											70	70							
AP	Selco Exploration C. L. (52J/02SE-0036-A1)											70								
AQ	Conwest Expl. C. L. (52J/02SE-0036-B1)											70	70							
AR	Selco Exploration C. L. (52J/02SE-0037-A1)												70							
AS	Amax Exploration Inc. (52J/02SE-0037-B1)	69							69											

SQUAW LAKE

TYPE OF WORK		Numbers below represent the year in which the work was done; eg. 68 for 1968																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
AT	Western Quebec Mines C. (52J/02SE-0038-A1)								71	71										
AU	Sturgex Mines L. (52J/02SE-0038-C1)							RPT 73												
AV	Western Quebec Mines C. (52J/02SE-0039)								71	71										
AW	Amax Expl. Inc. (52J/02SE-0040)	70										70	70							
AX	Umex Inc. (52J/02SE-0041)								82	82										
AY	Canex Aerial Expl. L. Theriault, F. Theriault, A. Chartrand, A. Cote, A. (53J/02SE-0042)	70										70	70							
AZ	Slocan Ottawa Mines L. Schiralli, R. A. (52J/02SE-0043)												70							

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; eg. 68 for 1968																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	MICROSCOPY	GRAVITY SURVEY	
BA	Conwest Expl. C. L. (52J/02SE-0044)								71	71										
BB	Royex Mining L. (52J/02SE-0045)	70										70	70							
BC	Royex Mining L. Sturgex Mines L. (52J/02SE-0046)	73						RPT 71-73												
BD	Moran Resources Corp. (52J/02SE-0047)	81							81	81	81									
BE	Umex Inc. (52J/02SE-0048)								82	82										
BF	Amax Expl. Inc. (52J/02SE-0049)	71											71							
BG	Royex Mining L. (52J/02SE-0050)	71										71	71							
BH	Richan Exploration L. (52J/02SE-0051)	70										70	70						70	
BI	Steep Rock Iron Mines L. (52J/02SE-0052)											83	83							

SQUAW LAKE

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EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	MICROSCOPY	GRAVITY SURVEY	
COMPANY/AUTHOR (file number)																				
BJ	Ciglen, S. Sturgeon Lakes Assocs. (52J/02SE-0053)	81										81	81							
BK	Pomac Mines L. (52J/02SE-0054-A1)							RPT 74												
BL	Royex Mining L. (52J/02SE-0054-C1)							RPT 72												
BM	Salkeld, C. D. (52J/02SE-0054-D1)	46		46	46			RPT 46												
BN	O'Flaherty, K. F. (52J/02Se-0055-A1)	73		73				RPT 73												
BO	St. Anthony Gold Mines L. (52J/02SE-0055-B1)							37												
BP	Sturgex Mines L. Royex Mining L. (52J/02SE-0056-A1)							RPT 72												
BQ	Green, L. W. (52J/02SE-0056-B1)			74				RPT 74												
BR	Royex Mining L. (52J/02SE-0055-C1)	71										71	71							

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; eg. 68 for 1968																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
BS	Noble Peak Res. L. (52J/02SE-0057)	83			83	83														
BT	Moran Resources Corp. (52J/02SE-0058-A1)	84		84																
BU	Capconda York Res. (5J/02SE-(60)				83															
BV	Steep Rock Resources (52J/02SE-61)												84							
BX	Moran Resources (52J/02SE-63)				84															
BY	Falconbridge Copper (52J/02SE-64)				84															
BZ	Falconbridge Copper (52J/02SE-65)				85															
CA	Falconbridge Copper (52J/02SE-66)				85															
CB	Falconbridge Copper (52J/02SE-67)				85															

GDIF FORM NO. 2

SQUAW LAKE

TYPE OF WORK		Numbers below represent the year in which the work was done; eg. 68 for 1968																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
CC	Stornaway Resources (52J/02SE-68)				85															
CD	E. Robericki (52J/02SE-69)			85																

GDIF FORM NO. 2

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled completed	Bearing Azimuth degrees	Initial Dip of Hole degrees	Thickness of Overburden feet	Total Length of Hole feet	Mineralization Noted in Log	Assay Data Included for
1	Anderson Claims	1	1954	160	47		164		
	Anderson Claims	2	1954	264	45		159		
	Anderson Claims	3	1954	264	50		153	Au	
	Anderson Claims	4	1954	240	60		147		
	Anderson Claims	5	1954	255	54		166		
	Anderson Claims	6	1954	245	45		127		
	Anderson Claims	7	1954	250	50		103		
	Anderson Claims	8	1954	235	45		172		
	Anderson Claims	9	1954	230	55		89		
	Anderson Claims	10	1954	225	55		111		
11	Canex Aerial Exploration	1	1970	270	45	6	735	py, cp	
12	Canex Aerial Exploration	2	1970	90	55	13	676	py, cp	
13	Royex Mining Limited	3	1972	90	-45	8	450	py, po	
14	Royex Mining Limited	12	1972	130	-45	8	450	py, po	
15	Royex Mining Limited	13	1972	135	-45	20	490	py, po	
16	Royex Mining Limited	14	1972	130	-45	11	330	py, po	
17	Royex Mining Limited	15	1972	135	-45	24	517	py	

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled completed	Bearing Azimuth degrees	Initial Dip of Hole degrees	Thickness of Overburden feet	Total Length of Hole feet	Mineralization Noted in Log	Assay Data Included for
18	Selco Expl. Co. Ltd.	242-2	1970	306	-50	10	329	py,po	
19	Selco Expl. Co. Ltd.	242-9	1970	126	-45	9	320	py,po,cp	
20	Selco Expl. Co. Ltd.	242-3	1970	126	-45	38	306	py,po,cp	
21	Selco Expl. Co. Ltd.	242-4	1970	126	-45	66	472	py,po,cp	
22	Selco Expl. Co. Ltd.	242-1	1970	126	-45	22	477	Au,Ag,Cu,Zn py,po	
23	Selco Expl. Co. Ltd.	242-6	1970	306	-45	7	377	py,po,cp	
24	Selco Expl. Co. Ltd.	242-8	1970	126	-45	7	341	py,po,cp	
25	Selco Expl. Co. Ltd.	242-7	1970	306	-45	5.5	319	py,po,cp	
26	Selco Expl. Co. Ltd.	242-10	1970	126	-45	7	257	py,po,cp	
27	Selco Expl. Co. Ltd.	242-11	1970	300	-47	9	511	py,po,cp	
28	Selco Expl. Co. Ltd.	242-5	1970	306	-45	6	306	py,po,cp	
29	Selco Expl. Co. Ltd.	242-71-2	1971	5	-55	45	429	py,po	
30	Selco Expl. Co. Ltd.	242-71-1	1971	5	-55	44	303	py,po	
31	Selco Expl. Co. Ltd.	1	1969	310	-45	0	150	py,po,cp	
32	Selco Expl. Co. Ltd.	2	1969	310	-45	8	150	po,cp	
33	Selco Expl. Co. Ltd.	3	1969	290	-45	0	177	py,po,cp	
34	Selco Expl. Co. Ltd.	4	1969	290	-45	10	186.5	py,po,cp	

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled completed	Bearing Azimuth degrees	Initial Dip of Hole degrees	Thickness of Overburden feet	Total Length of Hole feet	Mineralization Noted in Log	Assay Data Included for
35	Tay River Mines Ltd.	6	1971	90	-45	38	159	py, po	
36	Tay River Mines Ltd.	7	1971	275	-45	8	130	py, po	
37	Tay River Mines Ltd.	8	1971	90	-45	16	115	py, po	
38	Tay River Mines Ltd.	9	1971	270	-45	20	125	py, po	
39	Western Quebec Mines	1	1971	0	-45	19	463	Au,py,po,cp	
40	Western Quebec Mines	2	1971	212	-45	10	528	Au,Ag,py,po	
41	Higgins, Wilfred H.	1	1976	315	-45	2	485		
42	Higgins, Wilfred H.	2	1976	315	-45	22	338		
43	Nixon, J. R.	1	1978	40	-45		268	py	
44	Higgens, Wilfred H.	3	1979	125	-50	7	102	py,cp	
45	Nixon, J. R.	4	1979	257	-45	9.5	163	py	
46	Moran Resources	1	1984	180	-50	6.6	335.6		
47	Falconbridge Copper	SL-84-1	1984	300	-45	14	477	po,py	
48	Falconbridge Copper	SL-84-2	1984	300	-45	36	417		
49	Falconbridge Copper	SL-84-3	1984	300	-45	7	397	po	
50	Falconbridge Copper	SL-84-4	1984	300	-45	4	427	po	
51	Falconbridge Copper	SL-84-5	1984	300	-45	48	457		
52	Falconbridge Copper	SL-85-6	1985	300	-55	26	613.5		

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled Completed	Bearing Azimuth degrees	Initial Dip of Hole degrees	Thickness of Overburden feet	Total Length of Hole feet	Mineralization Noted in Log	Assay Data Included for
53	Falconbridge Copper	SL-85-8	1985	300	-45	14	400	po	
54	Falconbridge Copper	SL-85-7	1985	300	-45	13	433	py,po	
55	Falconbridge Copper	SL-85-9	1985	300	-45	14	400	py,po	
56	Stornaway Res. Ltd.	ME-2	1985	165	-50	6	302	py,mag	
57	Stornaway Res. Ltd.	ME-3	1985	175		10.9	312	py,po	
58	Stornaway Res. Ltd.	ME-4	1985	180	-45	11.0	203		
59	Noble Peak Res.	DDH 2	1983					Au,Ag,As,Hg,Sb	
60	Noble Peak Res.	DDH 1	1983					Au,Ag,As,Hg,Sb	
61	Capconda York Res.	C-4#1	1983	125	45	15.3	200		

GDIF FORM NO. 3

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
AS	By: Lockwood Surveys (1970) For: Amax Exploration	Magnetic	500'	N/S	1/4 & 1/8 mile
AT	By: Spartan Aero (1971) For: Western Quebec Mines	Magnetic and Electromagnetic	150'	N/S	1/8 mile
BA	By: Questor Surveys (1970/71) For: Conwest Exploration & Selco Exploration Ltd.	Magnetic and Electromagnetic	150' 400'	N/W S/E	1/4 & 1/8 mile
AV	By: Spartan Aero (1971) For: Western Quebec Mines	Magnetic and Electromagnetic	150'	N/S	1/8 mile
AX	By: Aerodat For: Umex	Magnetic and Electromagnetic	400'	N/W S/E	125 m
BD	By: Aerodat For: Moran Resources Corp.	Magnetic and Electromagnetic & Radiometric	400'		150 m
BE	By: Aerodat For: Umex	Magnetic and Electromagnetic	200'		125 m

GDIF FORM NO. 4

GEOCHEMICAL SURVEY DATA

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference
Z	Core	Semiquantative analyses for 30 elements	Western Quebec Mines	Resident Geologist Office (file 52J/02SE-21)
AI	Rock	Cu, Pb, Zn, Au	Umex Inc.	Resident Geologist Office (file 52J/02SE-30)
Note:	Due to the large number of samples taken, each individual sample site could not be listed or plotted on the map.			

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

GDIF FORM NO. 6

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. Sioux Lookout

Aubet - Page 6, 9 - 15

Newinsco Mines - Page 21, 33, 39

Pomac Mines - Page 2

Rickaby Mines - Page 13, 16

Steep Rock Mines - Page, 67 - 75, 78, 85 - 86, 89

ODM GENERAL INDEX SEARCH

Words searched: Sturgeon Lake, St. Anthony Mine, Squaw Lake, Belmore Bay, Coveney Island, Couture Lake

Index Volume	Listing:	Report Volume	Part	Page
I	Gold Discoveries on Sturgeon Lake	X	I	38
II	Geology Along an Eastward Continuation of Nivens 4th Base Line	XXXIII	VI	18-39
III	Sturgeon Lake Gold Area, Districts of Kenora and Thunder Bay, Mines of Canada	XXXIX	II	36-50 73-107
III	St. Anthony Gold Mines Limited	XLIII	I	97-98
III	St. Anthony Gold Mines Limited	XXXIX	I	122-123
III	St. Anthony Gold Mines Limited	XLIV	I	138
III	St. Anthony Gold Mines Limited	XLV	I	154-155
III	Savant-Sturgeon Gold Mines	XLVI	I	199-200
III	Supreme Gold Mines Limited	XLVI	I	205-206
III	Savant-Sturgeon Gold Mines Limited	XLVII	I	204
III	Supreme Gold Mines Limited	XLVII	I	211
III	St. Anthony Gold Mines Limited	XLVIII	I	194
III	St. Anthony Gold Mines Limited	XLIX	I	196
IV	St. Anthony Gold Mines Limited	L	I	121-122
IV	St. Anthony Gold Mines Limited	LI	I	188-189
I	St. Anthony Gold Mines Limited	XXI	I	102-103
II	Sturgeon Lake Area	XXX	II	41-42
IV	Sturgeon Lake Area	LXIX	VIII	14
I	Sturgeon Lake Gold Field	XX	I	133-157
II	Mines of Northwestern Ontario	XXVIII	I	104
I	Belmore Bay, Gold Mining	XIX	I	13-14
I	Belmore Bay, Gold Mining	XVII	I	66
I	Belmore Bay	XVI	I	60

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page

SQUAW LAKE

GDIF FORM NO. 8

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Trowell, N. F.	1977	Squaw Lake, Ontario Geological Survey Map 2420, Precambrian Geology Series. Geology 1972, 1973.	OGS MAP 2420	1" to 1/4 mile 1:15,840
Trowell, N. F.	1973	Squaw Lake-Sturgeon Lake Area. Northeast Arm Sturgeon Lake Sheet, District of Thunder Bay, O.D.M. Preliminary Map P.842. Geological Series. Geology 1972.	ODM MAP P.842	1" to 1/4 Mile 1:15,840
Trowell, N. F. Sage, R. P. Wright, W. Chamois, P.	1979	Sturgeon Narrows and Squaw Lake Alkalic Rock Complexes, District of Thunder Bay, O.G.S. Preliminary Map P.2223. Geological Series. Geology 1976.	OGS MAP P.2223	1" to 1/4 mile 1:15,840
Published by O.D.M.	1968	Sioux Lookout Armstrong Sheet, Geological Compilation Series. Map 2169.	ODM MAP 2169	1" to 1/4 mile 1:15,840
Ayres, L. D. Lumbers, S. B. Milne V. G. Robeson, D. W.	1971	Ontario Geological Map (West Central Sheet) Compiled in Toronto	MAP 2199	1" to 16 mi.
Davies, J. C. Pryslak, A. P.	1966	O.D.M. Preliminary Geological Map No. P.353, Minnitaki-Sturgeon Lake Sheet.	ODM MAP P.353	1" to 2 mi.
Springer, Janet S.	1978	Ontario Mineral Potential, Sioux Lookout Sheet, Districts of Kenora and Thunder Bay, Ontario Geological Survey Preliminary Map 1537, Mineral Deposits Series. Compilation 1977, 1978	OGS MAP P.1537	1" to 4 mi. 1:250,000

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Rogers, David P.	1964	Geology of the Metionga Lake Area, Districts of Thunder Bay and Kenora, O.D.M., accompanied by map 2044 (east and west)	G.R. 24	1" to 1 mile
Trowell, N. F.	1976	Geology of Quest Lake Area, Districts of Kenora and Thunder Bay, accompanied by Map 2335	G.R. 154	1" to 1/2 mi.
Trowell, N. F.	1972	Squaw Lake-Sturgeon Lake, District of Thunder Bay.	Summary of Field Work 1972 by Geological Branch Edited by V. G. Milne and D. F. Hewitt. MP73, 165p.	p. 44-46
Trowell, N. F.	1977	Squaw Lake-Sturgeon Lake, Thunder Bay District. O.G.S. 257 p., accompanied by Map P.968	OGS MAP P.968	1" to 1/4 mile 1:15,840
Trowell, N. F.	1980	Geology of the Sturgeon Lake Area, Districts of Kenora and Thunder Bay. Toronto, open file report 5291		
Palonen, P. A. Speed, A. A.	1975	Squaw Lake Area, District of Thunder Bay, Ontario Division of Mines, Preliminary Map P.1045, Sioux Lookout Data Series	ODM MAP P.1045	1" to 1/4 mi 1:15, 840

GDIF FORM

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Barlow, R. B.	1975	Ground vertical field magnetics, Sturgeon Lake Area, Squaw-Vista-Vanessa Lakes, District of Thunder Bay, Preliminary Map P 1051.	MAP P.1051	1" to 1/4mi 1:15, 840
G.S.C.	1961	Aeromagnetic Series Map of Sturgeon Lake Map 1118G	MAP 1118G	1" = 1 mile 1:63,360
O.G.S. Trowell, N. F.	1983	Geology of the Squaw Lake - Sturgeon Lake Area, Thunder Bay District, Ontario Geological Survey Report 227, with map 2420.	OGS MAP 2420 GR 227	1"=1/2 mile
Trowell, N. F.	1983	Geology of the Sturgeon Lake Area, Thunder Bay and Kenora Districts, Ontario Geological Report 221 with maps 2456.	OGS MAP 2456 GR 221	1:50,000
Sage R. P.	1983	Geology of the Sturgeon Narrows and Squaw Lake Alkalic Complexes, Thunder Bay District, Ontario Geological Survey Open File Report 5417.	OFR. 5417	
Robertson, James	1975	Uranium and Thorium Deposits of Ontario, North Central Sheet, District of Kenora, Thunder Bay, Algoma and Cochrane, O.D.M. Preliminary Map P970, Mineral Deposits Series, 1973, 1974.	P. Map 970	1" = 16 miles
Gordon, J. B.	1977	Gold Deposits of Ontario, West Central Sheet, Ontario Geological Survey Preliminary Map P 1227	P. Map 1227	1" = 16 miles 1:1, 013, 760

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Riley, R. A. King, H. L. Kustra, C. R.	1973	Summary of Airborne Geophysical Data for Northwestern Ontario. O.D.M. Preliminary Map P.845	P. Map 845	
Roberts, J. S.	1976	Mineral Potential Map of Ontario, West Central Sheet, Ontario Division of Mines, Mineral Deposit Series.	P 1098	1" = 16 miles 1:1,013,760
Tanton, T. L.	1939	Kenora Sheet, Geological Series, Ontario Department of Mines.	266A	1" = 8 miles
Kustra, C. L.	1983	Report of Activities Regional and Resident Geologists 1982. Miscellaneous Paper 107.	M.P. 107	
Kustra, C. L.	1980	as above for 1979 M.P. 91	M.P. 91	
Kustra, C. L.	1982	as above for 1981 M.P. 101	M.P. 101	
G.S.C.	1976	Federal-Provincial Uranium Reconnaissance Program, Airborne Gamma Ray Spectrometry Data, Sioux Lookout, Ontario G.S.C. Open File 330	O.F. 330	
Trowell, N. F.	1977	Geology of the Squaw Lake-Sturgeon Lake Area. O.F.R. 5225	O.F.R. 5225	
Barlow, R.B. Wadge, D.R. Dusanowsky, T.H.	1975	O.D.M. Preliminary Map, Geophysical Series, Bouger Gravity Map, Sturgeon Lake Area, Districts of Thunder Bay and Kenora	P. 1050	1"=2 miles 1:126,720

Note: Some information and symbols plotted on the exploration map are from Moore's report on the Sturgeon Lake Gold Field, and not found in the assessment files.

GDIF FORM NO.9

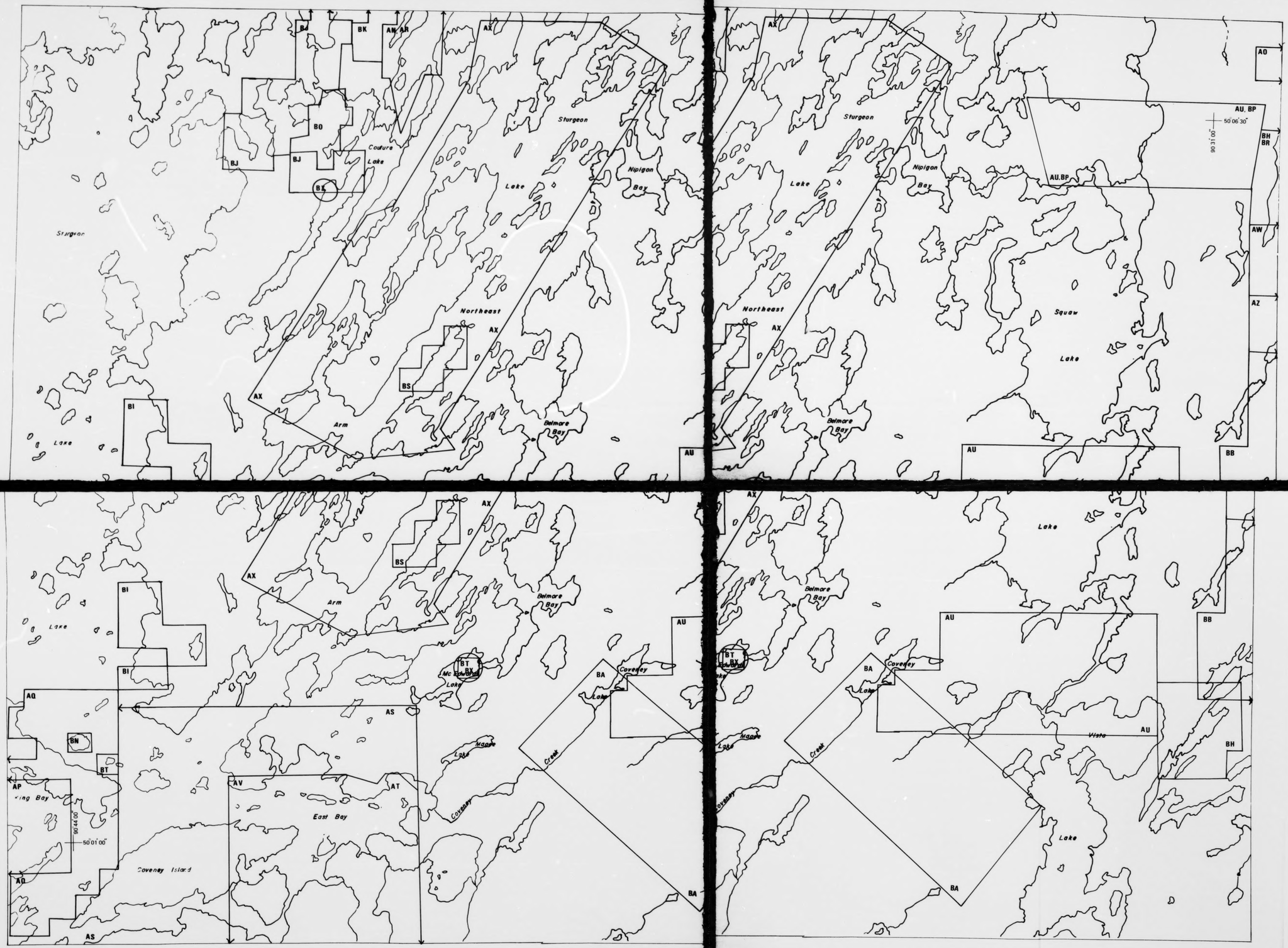
NOTES AND ADDENDA

Aerial Photograph Index

Scale: 1"=2 miles

Line	Numbers
A13906	137

GDIF FORM NO.8



Ministry of Northern Development and Mines
Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 327

(Map 1 of 4)

SQUAW LAKE AREA

DISTRICT OF THUNDER BAY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

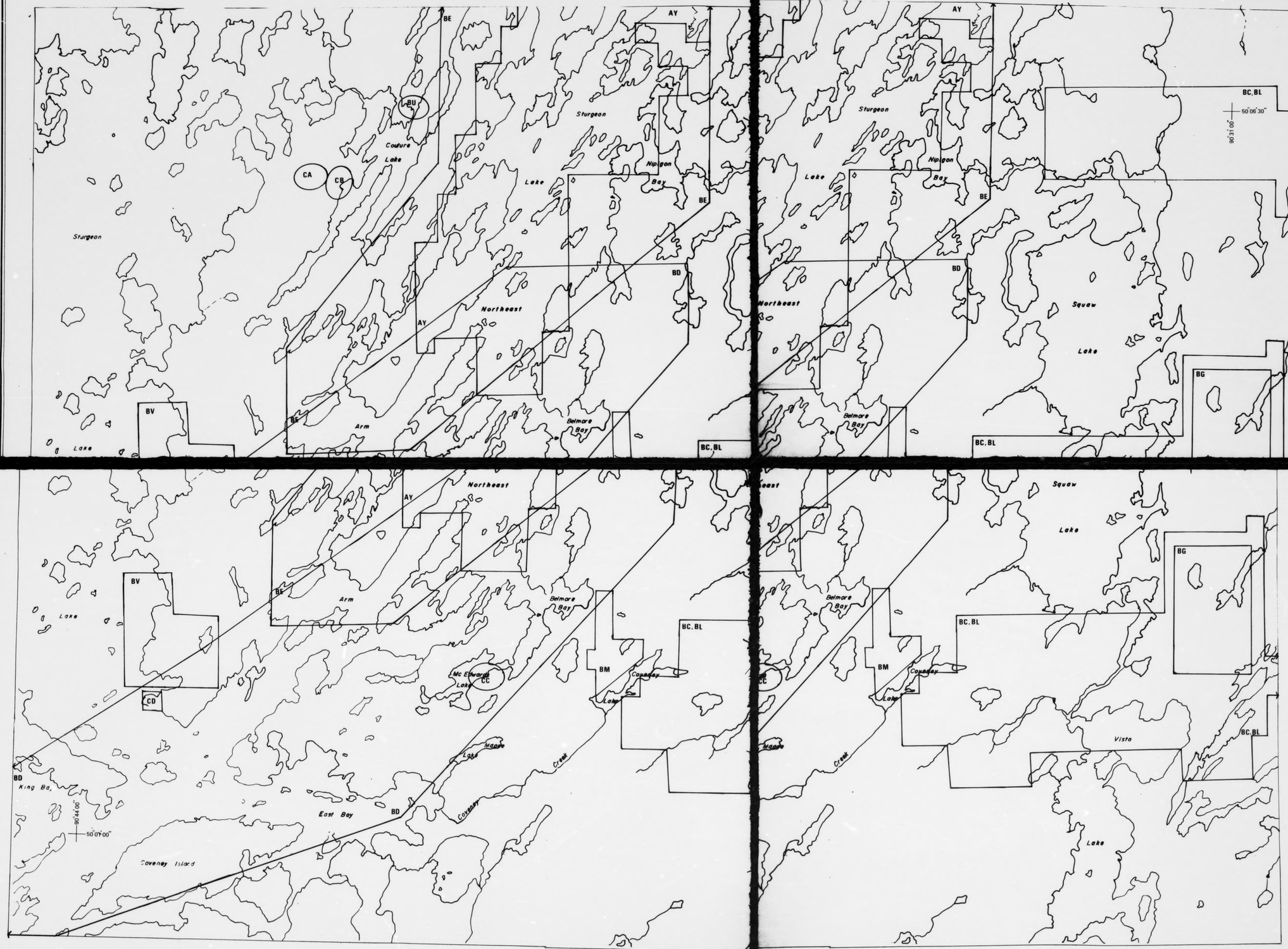
Mile 0.5 0 0.5 1 Mile

EXPLORATION DATA FILE AREAS

EXPLORATION DATA FILE AREAS

■ 1 6 Reference number is always inside work area outlined. See listing in text pages.

□ x 4 Small area exploration.



Ministry of Northern Development and Mines
Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 327

(Map 2 of 4)

SQUAW LAKE AREA

DISTRICT OF THUNDER BAY

Scale 1:31 680

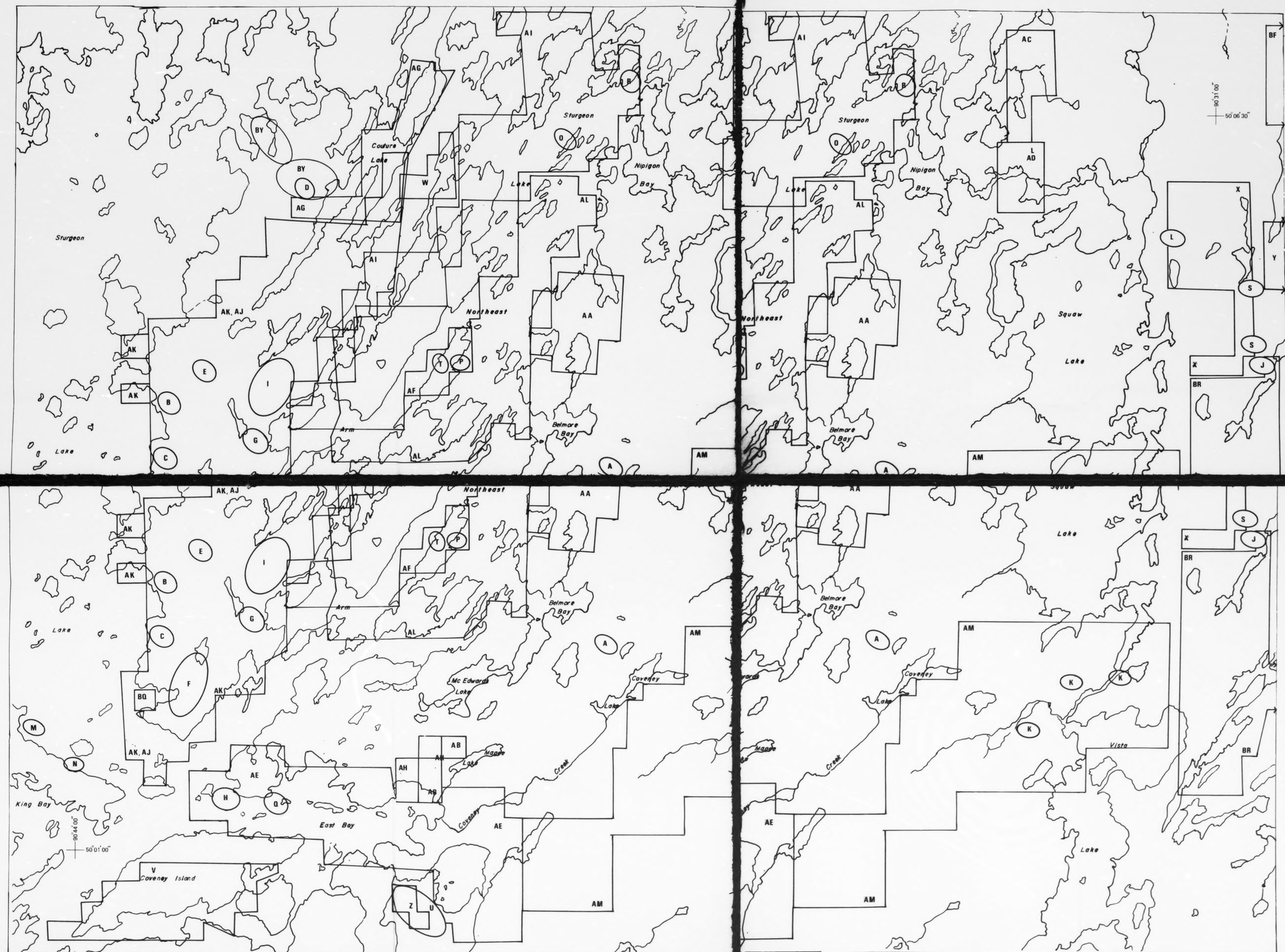
Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

EXPLORATION DATA FILE AREAS

■ Reference number is always inside work area outlined. See listing in text pages.

□ Small area exploration.



Ministry of Northern Development and Mines
Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 327

(Map 3 of 4)

SQUAW LAKE AREA

DISTRICT OF THUNDER BAY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

EXPLORATION DATA FILE AREAS

■ Reference number is always inside work area outlined. See listing in text pages.

□ x Small area exploration.

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

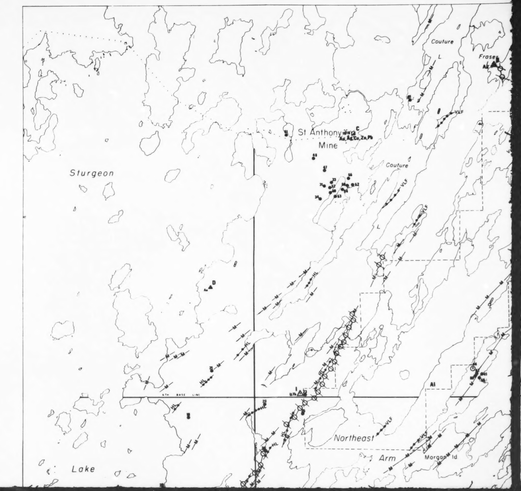
- Geochemical sample site, with reference number
- Area of geochemicst sampling, with reference number
- Age dating material sampling site, withreference number

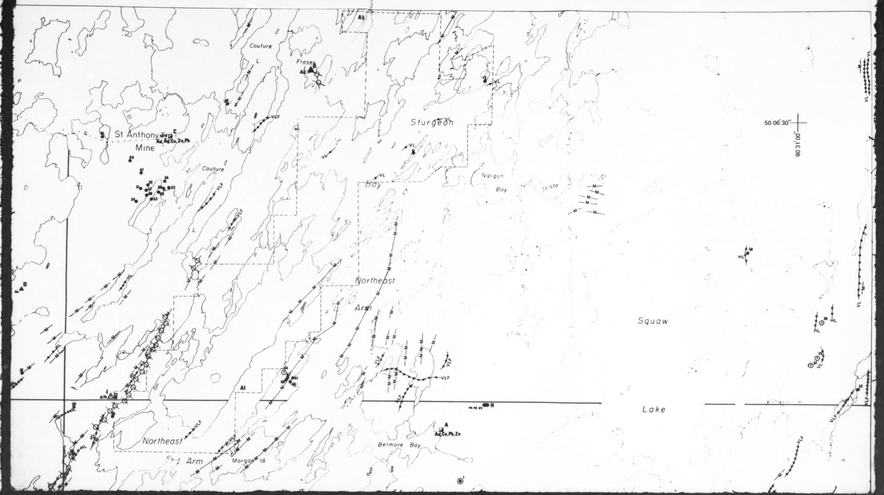
GEOPHYSICAL ANOMALIES

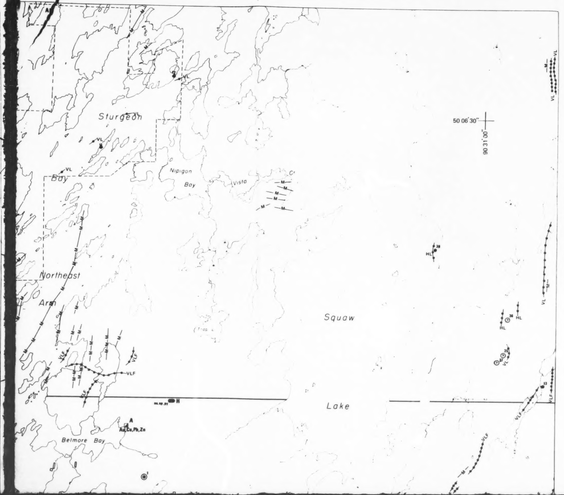
- Airborne magnetic anomaly
- Airborne electromagnetic anomaly (Length of anomaly along flight line)
- Airborne electromagnetic anomaly (Location of anomaly along flight line)
- Airborne electromagnetic anomaly (Conductor axis: definite, probable, possible)
- Airborne radiometric anomaly
- Ground magnetic anomaly
- Ground electromagnetic anomaly (VL : Vertical loop; HL : Horizontal loop; VLF : Very low freq; Turam; JEM Crone Em - 16)
- Ground radiometric anomaly
- Induced polarization anomaly
- Self potential anomaly
- Audio-frequency magnetic anomaly (total intensity)
- Resistivity anomaly
- Gravity anomaly

MISCELLANEOUS DATA

- Trenching, pit
- Adit
- Rock quarry
- Sand and/or gravel pit







Ministry of Northern Development and Mines
Ontario

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 327

(Map 4 of 4)

SQUAW LAKE AREA

DISTRICT OF THUNDER BAY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized float with reference letter

DRILLHOLE

- Location of single drillhole, with reference number

Self potential anomaly

Audio-frequency magnetic anomaly (total intensity)

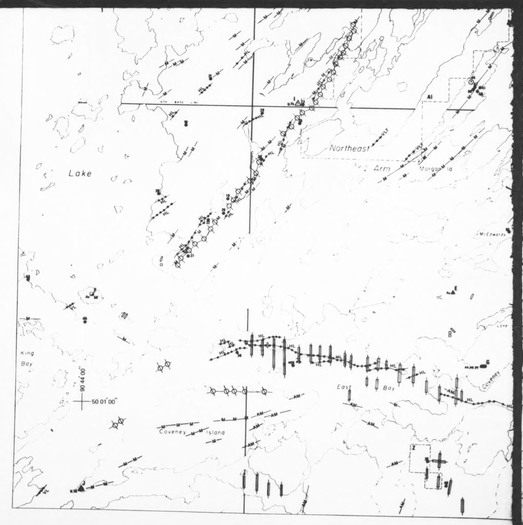
Resistivity anomaly

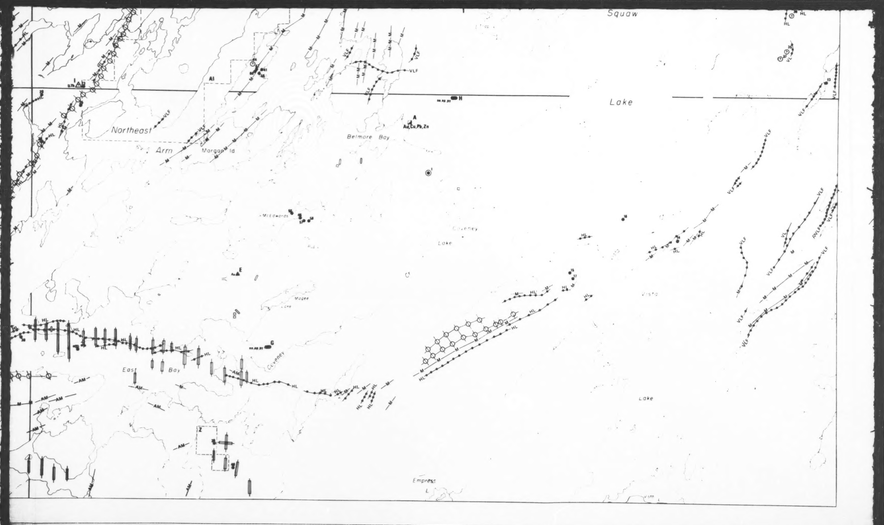
Gravity anomaly

MISCELLANEOUS DATA

- Trenching, pit
- Adit
- Open pit
- Rock quarry
- Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.





TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized float with reference letter

DRILLHOLE

- Location of single drillhole, with reference number
- Location of closely spaced group of drillholes, with reference number
- Drillhole, exact location uncertain, with reference number
- Property with underground drillholes on this general area, with reference number
- Property with drillholes which have not been plotted on map, with reference number
- Reverse circulation drillhole; churn drilling, with reference number